MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7148-4FS00-0AB0

FAIL-SAFE F-SWITCH ELECTRONIC MODULE

Used with the applicable SIMATIC ET 200pro PROFIsafe configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7148-4FS00-0AB0 exact-model Data Sheet, 28 August 2026, pages 1-2.

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Data sheet 6ES7148-4FS00-0AB0



Figure similar

SIMATIC DP, ET 200pro fail-safe electronic module F-switch PROFIsafe, 3 fail-safe PP-switching outputs for safe switching of the backplane busbars (2L +, F0, F1), 2 fail-safe digital inputs, 45 mm, up to category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849)

Supply voltage	
Rated value (DC)	24 V
power supply according to NEC Class 2 required	No
Input current	
from supply voltage 1L+, max.	50 mA
from load voltage 2L+ (without load), max.	25 mA; Typical
from backplane bus 3.3 V DC, max.	40 mA
Power loss	
Power loss, typ.	3 W
Digital inputs	
Number of digital inputs	2
Input current	
● for signal "1", typ.	3.5 mA
Digital outputs	
Number of digital outputs	3
Short-circuit protection	Yes
Total current of the outputs (per group)	
all mounting positions	
— up to 55 °C, max.	6 A
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
● Performance level according to ISO 13849-1	e
● SIL acc. to IEC 61508	3
Dimensions	
Width	45 mm
Height	130 mm
Depth	65 mm

Classifications

	Version	Classification
eClass	16	27-24-26-04
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04

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eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval | Functional Saftey | Maritime application

China RoHS | TUEV | Type Examination Certificate | TUEV

Maritime application

NK / Nippon Kaiji Kyokai

Maritime application | Environment

CCS (China Classification Society) | KR (Korean Register of Shipping) | China RoHS

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